

09/914545
518 Rec'd PCT/PTO 30 AUG 2001

FORM PTO-1449
(MODIFIED)

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. docket No. IN-5518

LIST OF ART CITED BY APPLICANT
(Use sever of sheets if necessary)

In re Application of : BETZ et al.

Serial No.: Herewith

Filed: August 30, 2001

U.S. PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WPF	AA	5,262,362	11/16/93	Covino-Hrvacek	501	12	6/22/92
	AB	5,789,085	8/4/98	Blohowiak et al.	428	450	11/4/96
	AC	5,474,811	12/12/95	Rehfuss et al.	427	407.1	5/11/94
	AD	5,605,965	2/25/97	Rehfuss et al.	525	100	11/3/94
	AE	4,268,542	5/19/81	Sakakibara et al.	427	195	1/25/79
	AF	4,675,234	6/23/87	Sachs et al.	428	328	5/17/85
	AG	4,754,014	6/28/88	Ryntz et al.	528	28	2/24/87
	AH	3,639,147	2/1/72	Benefiel et al.	117	73	2/3/70
	AI	3,953,644	4/27/76	Camelon et al.	428	220	12/20/74
	AJ	4,719,132	1/12/88	Porter, Jr.	427	409	4/29/87
✓	AK	5,356,669	10/18/94	Rehfuss et al.	427	407.1	1/23/92

FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	WO 91/13923	19.09.91	EP	C08G	18/08		X
WPF	AM	WO90/01041	8.02.90	EP	C08G	18/08		X
WPF	AN	WO 94/10211	11.05.94	EP	C08F	8/30	X	
WPF	AO	WO 94/10212	11.05.94	EP	C08F	8/30	X	
WPF	AP	WO 94/10213	11.05.94	EP	C08F	8/30	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English language abstract is provided wit the International Publication WO91/13923
WPF	AS	English language abstract is provided wit the International Publication WO90/01041
WPF	AT	Bruce M. Novak, entitled "Hybrid nanocomposite Materials--between inorganic glasses and organic polymers," 1993, pages 422-433

EXAMINER <i>Keith Phillips</i>	DATE CONSIDERED 1/12/2004
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518 Rec'd PCT/PTO 09/914545 30 AUG 2001

FORM PTO-1449
(MODIFIED)

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. docket No. IN-5516

LIST OF ART CITED BY APPLICANT
(Use sever of sheets if necessary)

In re Application of : BETZ et al.

Serial No.: Herewith

Filed: August 30, 2001

U.S. PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WPF	AA	4,489,135	12/18/84	Drexler et al.	428	423.1	2/18/83
	AB	4,851,460	7/25/89	Stranghöner et al.	523	407	8/18/87
	AC	4,914,148	4/3/90	Hille et al.	524	507	12/11/86
	AD	5,334,420	8/2/94	Hartung et al.	427	407.1	3/13/91
	AE	4,220,679	9/2/80	Backhouse	427	401	4/17/78
	AF	4,246,382	1/20/81	Honda et al.	526	79	11/6/78
	AG	4,576,868	3/18/86	Poth et al.	428	423.1	9/14/84
	AH	4,851,460	7/25/89	Stranghöner et al.	523	407	8/18/87
	AI	4,981,759	1/1/91	Nakatani et al.	428	626	5/2/88
	AJ	5,079,312	1/7/92	Isozaki et al.	525	479	5/11/90
✓	AK	5,726,258	3/10/98	Fischer et al.	526	64	7/1/96

FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
WPF	AL	0 594 068 A1	15.10.93	EP	C09D	201/02	X	
WPF	AM	0 594 071 A1	15.10.93	EP	C09D	201/02	X	
WPF	AN	0 594 142 A1	20.10.93	EP	C08L	57/12	X	
WPF	AO	0 358 153 B1	04.09.89	EP	C09D	143/04	X	
WPF	AP	0 354 261 A1	11.08.88	EP	CS08 G	18/50	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	Entitled "Progress in Organic Coatings, 11/22/93
	AS	
	AT	

EXAMINER

Phillip H. H. H.

DATE CONSIDERED

1/12/2004

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Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WPF	AA	4,746,366	5/24/88	Philipp et al.	106	287.19	5/17/86
	AB	4,895,910	1/23/90	Isozaki et al.	525	326.5	2/29/88
	AC	5,425,970	6/20/95	Lahrman et al.	427	493	5/6/93
	AD	5,516,559	5/14/96	Röckrath et al.	427	407.1	2/3/93
	AE	5,569,705	10/29/96	Vogt-Birnbrich et al	524	591	2/27/95
	AF	5,571,861	11/5/96	Klein et al.	524	591	10/21/94
	AG	5,601,878	2/11/97	Kranig et al.	427	386	6/23/93
	AH	5,654,391	8/5/97	Göbel et al.	528	71	4/20/95
	AI	4,880,867	11/14/89	Gobel et al.	524	507	8/18/87
✓	AJ	4,914,148	4/3/90	Hille et al.	524	507	12/11/86
	AK	5,075,372	12/24/91	Hille et al.	524	839	2/6/87

FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	WO 94/22969	13.10.94	EP	C09D	133/06		X
WPF	AM	WO 92/22615	23.12.92	EP	C09D	151/08		X
WPF	AN	WO 95/14721	1.06.95	EP	C08F	290/14		X
WPF	AO	2 012 191 A	21.12.78	GB	B2E	1103	X	
WPF	AP	2078650 *	08/24/01	CA	C09D	133/00	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English language abstract is provided wit the International Publication WO94/22969
	AS	
WPF	AT	English language abstract is provided wit the International Publication WO95/14721

EXAMINER

Billie H. H. H.

DATE CONSIDERED

1/12/2001

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Atty. docket No. IN-5516

09/914545

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In re Application of : BETZ et al.

Serial No.: Herewith

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U.S. PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WPF	AA	5,342,882	8/30/94	Göbel et al.	524	832	7/22/93
	AB	5,368,944	11/29/94	Hartung et al.	428	423.1	2/1/92
	AC	5,576,386	11/19/96	Kempter et al.	526	88	1/28/93
	AD	5,691,425	11/25/97	Klein et al.	525	455	7/2/92
	AE	5,690,569	11/25/97	Ledvina et al.	474	111	3/13/96
	AF	4,945,128	7/31/90	Hille et al.	524	591	2/6/87
	AG	5,965,213	10/12/99	Sacharski et al.	427	475	2/2/98
	AH	6,001,424	12/14/99	Lettmann et al.	427	407.1	6/1/95
	AI	5,716,678	2/10/98	Röckrath et al.	427	407.1	3/26/94
	AJ	5,236,995	8/17/93	Salatin et al.	524	591	3/26/91
✓	AK	5,601,880	2/11/97	Schwarte et al.	427	407.1	8/5/94

FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
WPF	AL	0 424 705 A2	04.10.90	EP	C08F	283/00	X	
WPF	AM	WO 92/17546	15.10.92	EP	C08L	75/04	X	
WPF	AN	WO 91/14514	03.10.91	EP	B05D	7/26		X
WPF	AO	0 394 737 A1	09.04.90	EP	C09D	175/06	X	
WPF	AP	0249 201 A2	10.06.87	EP	C09D	3/58	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English language abstract is provided wit the International Publication WO 92/22615
WPF	AS	English language abstract is provided wit the International Publication WO91/14514
	AT	

EXAMINER

Bill Phillip Hinton

DATE CONSIDERED

1/12/2004

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				Filed: August 30, 2001				
U.S. PATENT DOCUMENTS								
Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
WPF	AA	6,001,915	12/14/99	Schwarte et al.	524	457	9/16/97	
↓	AB	5,691,419	11/25/97	Engelke et al.	525	208	2/1/94	
↓	AC	6,159,556	12/12/00	Möller et al.	427	475		
↓	AD	4,730,020	3/8/88	Wilfinger et al.	524	555	2/27/86	
	AE							
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FOREIGN PATENT DOCUMENTS								
Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
WPF	AL	WO 97/12945	10.04.97	EP	C09D	5/04	X	
WPF	AM	0 401 565 A1	16.05.90	EP	C09D	5/02	X	
WPF	AN	WO 97/49747	31.12.97	EP	C08G	18/75	X	
WPF	AO	WO 97/49745	31.12.97	EP	C08G	18/08	X	
WPF	AP	0 590 484 A1	22.09.93	EP	C08G	18/08	X	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR							
WPF	AS	English language abstract is provided wit the International Publication WO99/50359						
WPF	AT	English language abstract is provided wit the International Publication WO94/22968						
EXAMINER				DATE CONSIDERED				
<i>[Signature]</i>				1/12/2004				
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FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
WPF	AL	0 299 148 A2	13.04.88	EP	C08G	18/08	X	
WPF	AM	WO 96/12747	02.05.96	EP	C08F	285/00		X
WPF	AN	0 038 127 A1	24.03.81	EP	B05D	7/26	X	
WPF	AO	0 276 501 A2	26.09.87	EP	C11D	1/42	X	
WPF	AP	WO 94/22968	13.10.94	EP	C09D	133/06	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English language abstract is provided wit the International Publication WO96/12747
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EXAMINER

Phillip H. H. H.

DATE CONSIDERED

1/6/2001

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FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
WPF	AL	WO 82/02387	22.07.82	EP	C08F	2/02	X	
WPF	AM	WO 95/27742	19.10.95	EP	C08F	18/04	X	
WPF	AN	0 320 552 A1	18.12.87	EP	B05D	7/16	X	
	AO	2 012 191 A	21/12/78	UK	B2E	1103	x	
WPF	AP	2102169	08/24/01	CA	C09D	133/00	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English language abstract for DE 4328092

EXAMINER

Will Rullig

DATE CONSIDERED

1/12/2004

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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 523 610 A1	14.07.92	EP	C09D	163/00		X
WPF	AM	0 234 361 A1	06.02.87	EP	C08G	18/08		X
WPF	AN	0 234 362 A1	06.02.87	EP	C08G	18/08		X
WPF	AO	0 708 788 B1	16.06.94	EP	C08G	18/08		X
WPF	AP	0 581 211 A1	23.07.93	EP	C08G	18/08		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for EP0708788.
WPF	AS	English Language Abstract for EP0523610
WPF	AT	English Language Abstract for DE19618657

EXAMINER

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Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 574 417 B1	01.02.92	EP	B05D	5/06		X
WPF	AM	0 256 540 A2	15.08.87	EP	C09D	3/49		X
WPF	AN	0 228 003 A1	11.12.86	EP	B05D	7/16		X
WPF	AO	0 089 497 A2	21.02.83	EP	C09D	3/72		X
WPF	AP	2073115	08/24/01	CA	C09D	175/14	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for DE19912661
WPF	AS	English Language Abstract for DE3903804
WPF	AT	English Language Abstract for DE4421823

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FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 069 936 A2	02.07.82	EP	C09D	3/00		X
WPF	AM	0 297 576 A1	30.06.88	EP	C09D	3/72		X
WPF	AN	0 195 931 A1	19.02.86	EP	C09D	3/80		X
WPF	AO	0 554 783 A1	28.01.93	EP	B01J	19/18		X
WPF	AP	0 260 447 A2	15.08.87	EP	C08F	283/10		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for DE19709465
WPF	AS	English Language Abstract for EP0540884
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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 584 818 B1	26.08.93	EP	C08G	18/08		X
WPF	AM	0 678 536 A1	21.04.95	EP	C08G	18/08		X
WPF	AN	0 669 356 A1	22.02.95	EP	C08G	18/83		X
WPF	AO	0 634 431 A1	13.07.94	EP	C08G	18/12		X
WPF	AP	0 008 127 A1	13.08.79	EP	E21F	17/00		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for DE4303570
WPF	AS	English Language Abstract for DE4011045
WPF	AT	English Language Abstract for DE4020316

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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 596 461 A2	03.11.93	EP	C09D	201/00		X
WPF	AM	0 536 712 A2	07.10.92	EP	C09D	201/02		X
WPF	AN	0 649 865 A1	15.10.94	EP	C08G	18/67		X
WPF	AO	0 522 419 A1	30.06.92	EP	C08G	18/67		X
WPF	AP	0 521 928 B1	13.03.91	EP	C08F	299/06		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for DE3828098
WPF	AS	English Language Abstract for DE4025215
WPF	AT	English Language Abstract for DE4122743

EXAMINER



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1/16/2004

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518 Rec'd PCT/PTO 30 AUG 13 2001

FORM PTO-1449
(MODIFIED)US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. docket No. IN-5516

09/914545

LIST OF ART CITED BY APPLICANT
(Use sever of sheets if necessary)

In re Application of : BETZ et al.

Serial No.: Herewith

Filed: August 30, 2001

U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
WPF	AL	0 522 420 A2	30.06.92	EP	C08J	3/03		X
WPF	AM	0 596 460 A2	03.11.93	EP	C09D	201/00		X
	AN							
WPF	AO	0 568 967 A2	04.05.93	EP	B05D	3/00		X
WPF	AP	0 540 884 A1	03.10.92	EP	B05D	3/06		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for EP0604922
WPF	AS	English Language Abstract for EP0584818
WPF	AT	English Language Abstract for EP0008127

EXAMINER

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							YES	NO
WPF	AL	196 13 547 A1	07.11.96	DE	C09D	5/46		X
WPF	AM	43 03 570 A1	11.08.94	DE	B05D	7/26		X
WPF	AN	34 07 087 A1	05.09.85	DE	C09D	3/82		X
WPF	AO	40 11 045 A1	10.10.91	DE	B05D	7.02		X
WPF	AP	40 20 316 A1	09.01.92	DE	C09D	183/04		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for EP0596461
WPF	AS	English Language Abstract for EP0522420
WPF	AT	English Language Abstract for EP0596460

EXAMINER *[Signature]* DATE CONSIDERED 1/12/2004

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WPF	AM	40 25 215 A1	13.02.92	DE	C08G	59/50		X
WPF	AN	41 22 743 C1	26.11.92	DE	C09D	4/00		X
WPF	AO	42 22 194 A1	13.01.94	DE	C09D	5/46		X
WPF	AP	38 07 571 A1	22.09.88	DE	C08L	83/07		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AR	English Language Abstract for EP0069936
WPF	AS	English Language Abstract for EP0297576
WPF	AT	English Language Abstract for EP0708788

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WPF	AL	37 06 095 A1	27.08.87	DE	C08G	77/20		X
WPF	AM	196 18 657 A1	02.01.97	DE	C09D	5/46		X
WPF	AN	199 12 661 A1	18.11.99	DE	C09D	5/03		X
WPF	AO	38 14 853 A1	10.11.88	DE	C25D	13/06		X
WPF	AP	33 33 072 A1	21.03.85	DE	C09D	3/72		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Will Billie Hite

DATE CONSIDERED

1/12/2004

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WPF	AM	44 21 823 A1	04.01.96	DE	C09D	175/04		X
WPF	AN	197 09 476 A1	06.11.97	DE	F16H	7/18		X
WPF	AO	197 09 465 A1	17.09.98	DE	B05D	7/26		X
WPF	AP	28 48 906 A1	17.05.79	DE	C08F	20/18		X

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WPF	AL	195 24 182 A1	09.01.97	DE	C08F	212/08		X
WPF	AM	36 28 124 A1	03.03.88	DE	C09D	3/727		X
WPF	AN	28 18 100 A1	09.11.78	DE	B05D	7/18		X
WPF	AO	42 04 518 A1	19.08.93	DE	B05D	1/36		X
WPF	AP	WO 99/50359	10.07.99	EP	C09D	5/00		X

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WPF	AL	2102170	08/24/01	CA	C09D	133/00	X	
WPF	AM	2220465	08/24/01	CA	C09D	5/03	X	
WPF	AN	2104845	08/24/01	CA	C09D	161/00	X	
WPF	AO	2079498	08/24/01	CA	B05D	3/06	X	
WPF	AP	2190286	08/24/01	CA	C09D	167/00	X	

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W. R. Kelly, Jr.

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WPF	AL	2073814	08/24/01	CA	C09D	163/00	X	
WPF	AM	2127761	08/24/01	CA	C09D	175/04	X	
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	AO							
	AP							

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